

**CORN, NON-IRRIGATED
SOUTH GEORGIA, 2010**

ESTIMATED COSTS AND RETURNS

Expected Yield **85 Bushels** YIELD: YOUR FARM _____

Variable Costs:	Unit	Number of Units	\$/Unit	Cost/Acre	\$/Bushels	Your Farm
Seed	Thous.	20.00	\$ 2.65	\$ 53.00	\$ 0.62	_____
Lime	Tons	0.25	\$ 33.30	\$ 8.33	\$ 0.10	_____
Fertilizer						
Nitrogen	Lbs	100.00	\$ 0.45	\$ 45.00	\$ 0.53	_____
Phosphate (P2O5)	Lbs	40.00	\$ 0.25	\$ 10.00	\$ 0.12	_____
Potash (K2O)	Lbs	60.00	\$ 0.50	\$ 30.00	\$ 0.35	_____
Weed Control	Acre	1.00	\$ 31.20	\$ 31.20	\$ 0.37	_____
Insect Control	Acre	1.00	\$ -	\$ -	\$ -	_____
<i>Machinery: Preharvest</i>						
Fuel	Gallon	4.21	\$ 2.50	\$ 10.52	\$ 0.12	_____
Repairs & Maintenance	Acre	1.00	\$ 8.38	\$ 8.38	\$ 0.10	_____
<i>Machinery: Harvest</i>						
Fuel	Gallon	2.65	\$ 2.50	\$ 6.63	\$ 0.08	_____
Repairs & Maintenance	Acre	1.00	\$ 4.13	\$ 4.13	\$ 0.05	_____
Labor	Hrs	0.96	\$ 11.00	\$ 10.51	\$ 0.12	_____
Crop Insurance	Acre	1.00	\$ 13.00	\$ 13.00	\$ 0.15	_____
Land Rental	Acre	1.00	\$ -	\$ -	\$ -	_____
Interest on Operating capital	Percent	\$ 115.34	7.25%	\$ 8.36	\$ 0.10	_____
Drying - 8 points	Bushel	93.28	\$ 0.28	\$ 26.12	\$ 0.31	_____
Total Variable Costs				\$ 265.17	\$ 3.12	

Fixed Costs:

<i>Machinery: Depreciation, Taxes, Insurance, and Housing</i>						
Preharvest	Acre	1.00	\$ 23.08	\$ 23.08	\$ 0.27	_____
Harvest	Acre	1.00	\$ 26.73	\$ 26.73	\$ 0.31	_____
General Overhead	% of VC	\$ 265.17	5.00%	\$ 13.26	\$ 0.16	_____
Management	% of VC	\$ 265.17	5.00%	\$ 13.26	\$ 0.16	_____
Owned Land Costs; Taxes, Cash Payment, Etc.	Acre	1.00	\$ -	\$ -	\$ -	_____
Other _____						
Total Fixed Costs				\$ 76.32	\$ 0.90	

TOTAL COSTS AND PROFIT GOAL

Total Costs Excluding Land	\$ 341.49	\$ 4.02
**** YOUR PROFIT GOAL ****	\$ _____/Bu.	
\$\$-PRICE NEEDED FOR PROFIT-\$\$	\$ _____/Bu.	

Sensitivity Analysis of CORN, NON-IRRIGATED

NET RETURNS ABOVE VARIABLE COSTS PER ACRE					
Varying Prices and Yield (Bushels)					
Bu/Acre	-25%	-10%	Average	+10%	+25%
	63.75	76.5	85	93.5	106.25
\$3.00	\$ (73.92)	\$ (35.67)	\$ (10.17)	\$ 15.33	\$ 53.58
\$3.25	\$ (57.98)	\$ (16.54)	\$ 11.08	\$ 38.71	\$ 80.14
\$3.50	\$ (42.04)	\$ 2.58	\$ 32.33	\$ 62.08	\$ 106.71
\$3.75	\$ (26.11)	\$ 21.71	\$ 53.58	\$ 85.46	\$ 133.27
\$4.00	\$ (10.17)	\$ 40.83	\$ 74.83	\$ 108.83	\$ 159.83

ESTIMATED LABOR AND MACHINERY COSTS PER ACRE

PREHARVEST OPERATIONS						
Operation	Acres/Hour	Number Times Over	Labor Use (Hr.)	Fuel Use (Gal./Ac)	Machinery Repairs (\$/Ac)	Fixed Costs (\$/Ac)
Heavy Disk27' with Tractor (180-199 hp)-MFWD 190	13.214	2.00	0.15	1.48	3.03	8.81
Disk Harrow32' with Tractor (180-199 hp)-MFWD 190	16.291	1.00	0.06	0.60	1.30	3.78
Disk Bed (Hipper)6R-36 with Tractor (180-199 hp)-MFWD 190	19.200	1.00	0.05	0.51	0.87	2.77
Plant - Rigid6R-36 with Tractor (120-139 hp)-2WD 130	9.573	1.00	0.10	0.70	1.43	3.98
Fert Appl (Liquid)6R-36 with Tractor (120-139 hp)-2WD 130	9.164	1.00	0.11	0.73	1.49	3.13
Spray (Broadcast)60' with Tractor (120-139 hp)-2WD 130	35.455	1.00	0.03	0.19	0.25	0.61
Total Preharvest Fuel, Repairs, Fixed Costs, & Labor			0.507	4.21	\$ 8.38	\$ 23.08

HARVEST OPERATIONS						
Operation	Acres/Hour	Number Times Over	Labor Use (Hr.)	Fuel Use (Gal./Ac)	Machinery Repairs (\$/Ac)	Fixed Costs (\$/Ac)
Header - Corn6R 36" with Combine (200-249 hp)240hp	6.109	1.000	0.164	2.02	\$ 3.53	\$ 24.18
Corn Grain Cart 8R36500 bu with Tractor (120-139 hp)-2WD 130	10.642	1.000	0.094	0.63	\$ 0.60	\$ 2.55
Total Harvest Fuel, Repairs, Fixed Costs, and Labor			0.258	2.65	\$ 4.13	\$ 26.73

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